

# CF-4721

## Thermosetting silicone resin

### DESCRIPTION

- A solvent-free, thermosetting resin
- Forms a transparent, rigid material that retains its cured properties over a broad temperature range (up to 300°C/570°F)
- Has good dielectric properties at high temperatures and humidity
- Excellent resistance to radiation
- 100:1 Mix Ratio (CF-4721:Dicumyl Peroxide)

### APPLICATION

- For encapsulating electrical and electronic units
- For electronics and photonics applications

### PROPERTIES

Typical Properties	Average Result	Metric Conv.	Standard	NT-TM
<b>Uncured:</b>				
Appearance	Water white to light amber	-	ASTM D2090	002
Specific Gravity at 25°C (77°F)	1.10	-	ASTM D792	003
Viscosity at 25°C (77°F)	125 cP	125 MPa	ASTM D1084, D2196	001
Non-Volatile Content	100%	-	ASTM DC-CTM 813	022
Refractive Index	1.52	-	ASTM D1747, D1218	018
<b>Cured: 15 min at 150°C</b>				
Durometer, Type D	75	-	ASTM D2240	006

## CATALYST

Recrystallized Dicumyl Peroxide\* is the recommended catalyst. Catalyze by adding 1 part dicumyl peroxide to 100 parts resin by weight.

\*Sigma Aldrich- Milwaukee, WI. [www.sigma-aldrich.com](http://www.sigma-aldrich.com)

## SPECIFICATIONS

Do not use the properties shown in this technical profile as a basis for preparing specifications. Please [contact](#) NuSil Technology for assistance and recommendations in establishing particular specifications.

## WARRANTY INFORMATION

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### Packaging

1 Pint (455 g)  
1 Gal (3.64 kg)  
5 Gal (18.2 kg)

### Warranty

12 Months

suitability for their application and NuSil Technology makes no warranty concerning fitness for any use or purpose. NuSil Technology has completed no testing to establish safety of use in any medical application.

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